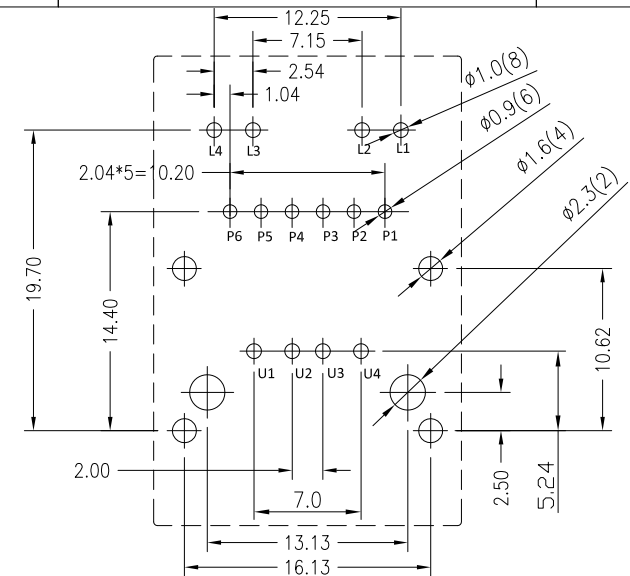
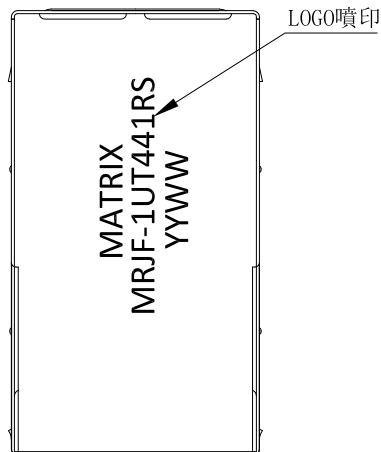
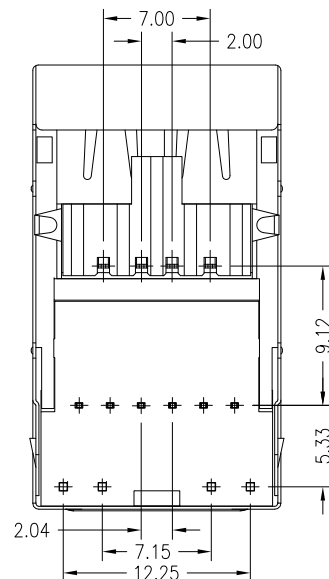
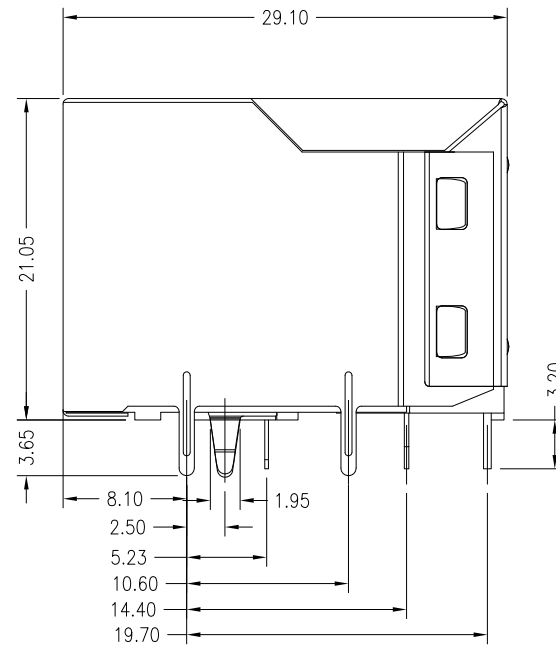
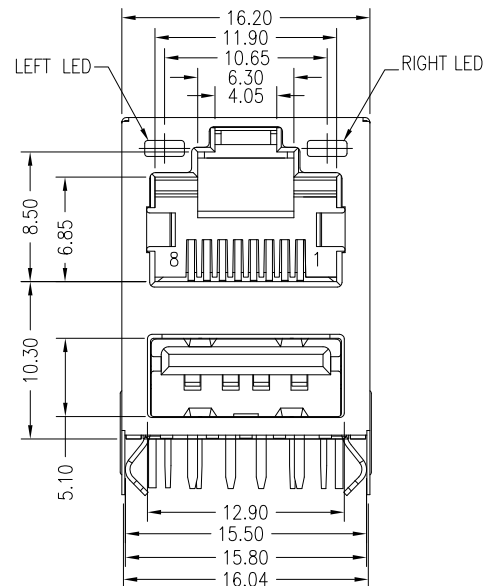


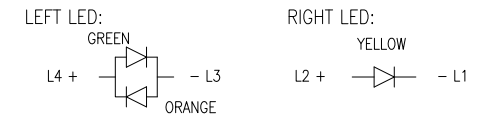
GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2016/02/24	Phebe Su

1. Mechanical:



RECOMMENDED PCB LAYOUT
COMPONENT SIDE
TOLERANCE ± 0.05



NOTES:

1.MATERIAL:

HOUSING:PBT PLASTIC BLACK(UL94V-0)
CONTACT:PHOSPHOR BORNZE
SHELL:SUS201-1/2H T=0.20MM

2.FINISHED:

CONTACT:50u"MIN. NICKEL UNDERPLATING ALL AREA,100u"MIN. TIN ON SOLDER TAILS,
G/F PLATING ON CONTACT AREA.
SHELL:30u"MIN. NICKEL PRE-PLATING ALL AREA

3.USB MECHANICAL:

HOUSING:PBT
CONTACT:PHOSPHOR BORNZE G/F PLATING ON CONTACT AREA
SHELL:SPCC

4.JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUBPART F

NO	VARIETY	QTY	MATERIAL	REMARK
 Matrix Electronics Co.,Ltd				
TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±3°		DESIGN BY : Phebe Su	DATE : 2016/02/24	PART NAME: RJ45+USB2.0CONN.W/LED 10/100 MHZ FILTER
UNIT: mm [inch]		CHECKED BY: Anson Cheng	DATE : 2016/02/24	PART NO. MRJF-1UT441RS
SCALE:1:1 SIZE:A4		APPROVED BY1: Richard Hsieh	DATE : 2016/02/24	MOLD NO. NA
		APPROVED BY2: Richard Hsieh	DATE : 2016/02/24	DRAW NO. 1 OF 3

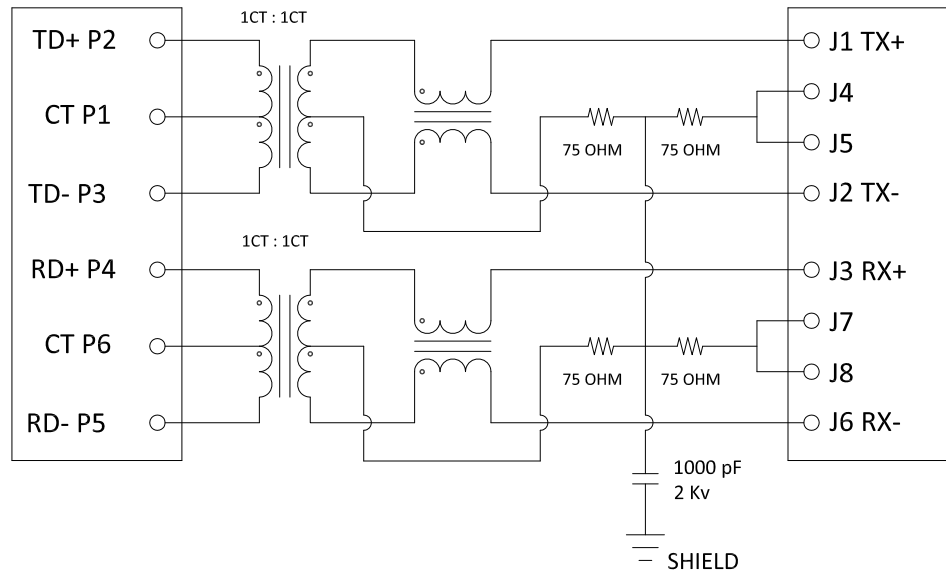
GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2016/02/24	Phebe Su

2. SCHEMATIC:

CONNECTOR SOLDER SIDE

RJ45 CONTACT SIDE



ORDER INFORMATION :

Matrix-RJ45
G : 10/100
F : 10/100/1000
N : Pure Connector

MRJF - 1UT441RS

RS: ROHS
HF: Halogen Free

Series Number

S: SMD
T: THT

11:1X1 ; 21:2X1
12:1X2 ; 22:2X2
14:1X4 ; 24:2X4
16:1X6 ; 26:2X6
18:1X8 ; 28:2X8
1U:RJ+USB

3. ELECTRICAL CHARACTERISTICS :

TEST NOTES:(25°±5°C)

1. TR:(100KHz,0.1V); 100%

PINS:(P2,P3):(J1,J2)=1:1±3%:(P4,P5):(J3,J6)=1:1±3%

2. LX:(100KHz,100mV,8mA, DC Bias) 100%

PINS:(P2,P3),(P4,P5)=350uH MINIMUM

3. DCR: 100%

PINS:(J1,J2),(J3,J6)=1.2Ω MAXIMUM

4. HIPOT: 100%

PINS(P2,P3)TO(J1,J2),(P4,P5)TO(J3,J6)=1500VAC OR 2250VDC
FOR 2 SECONDS

5. INSERTION LOSS:

-1.0dB MAXIMUM AT 1MHz TO 100MHz;

6.RETURN LOSS:

-18dB MINIMUM AT 1MHz TO 30MHz;

-16dB MINIMUM AT 30MHz TO 60MHz

-12dB MINIMUM AT 60MHz TO 80MHz

7.CROSS TALK:

-30dB MINIMUM AT 1MHz TO 100MHz

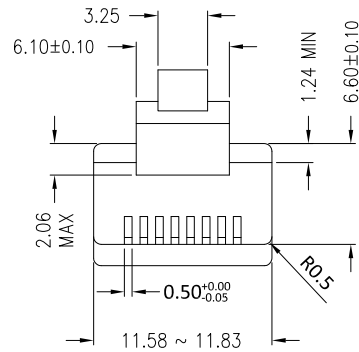
8.COMMON TO COMMON MODE REJECTION:

-30dB MINIMUM AT 1MHz TO 100MHz

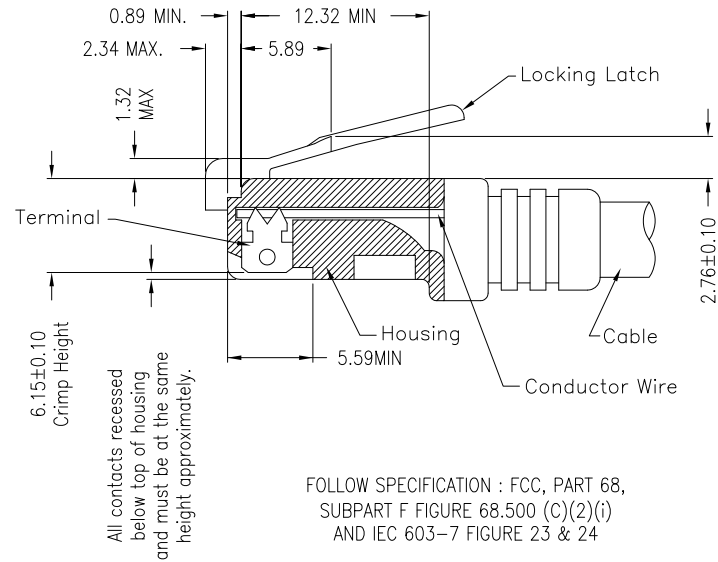
NO	VARIETY	QTY	METERIAL	REMARK
 Matrix Electronics Co.,Ltd				
TOLERANCE: X:X ±0.38 X:XX ±0.25 X:XXX ±0.13 ANGLE: ±3°		DESIGN BY : Phebe Su	DATE : 2016/02/24	PART NAME: RJ45+USB2.0CONN.W/LED 10/100 MHZ FILTER
CHECKED BY: Anson Cheng		DATE : 2016/02/24	PART NO.	MRJF-1UT441RS
APPROVED BY1: Richard Hsieh		DATE : 2016/02/24	MOLD NO.	NA
APPROVED BY2: Richard Hsieh		DATE : 2016/02/24	DRAW NO.	
SCALE:1:1 SIZE:A4			SHEET NO.	2 OF 3

GP Component

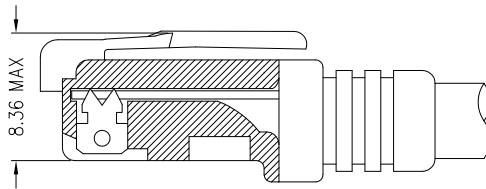
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2016/02/24	Phebe Su



- * There must be no damage to housing or locking latch. There must be no nicks or cuts in cable.
- * Durability : 750 cycles generally



STANDARD MODULAR PLUG ASSEMBLY



FOLLOW SPECIFICATION : FCC, PART 68, SUBPART F FIGURE 68.500 (C)(2)(ii)

NO	VARIETY	QTY	METERIAL	REMARK
 Matrix Electronics Co.,Ltd				
TOLERANCE: X:X ±0.38 X:XX ±0.25 X:XXX ±0.13 ANGLE: ±3°		DESIGN BY : Phebe Su	DATE : 2016/02/24	PART NAME: RJ45+USB2.0CONN.W/LED 10/100 MHZ FILTER
 UNIT: mm [inch]		CHECKED BY: Anson Cheng	DATE : 2016/02/24	PART NO. MRJF-1UT441RS
 SCALE:1:1 SIZE:A4		APPROVED BY1: Richard Hsieh	DATE : 2016/02/24	MOLD NO. NA
		APPROVED BY2: Richard Hsieh	DATE : 2016/02/24	DRAW NO. 3 OF 3